

BOND ESTIMATE

UNION CARBIDE - HECLA SHAFT ACT/037/043

12/15/83

35 Acres

A. Removal of Office, Shop, Compressor Building, Headframe, etc. (dismantle and bury on site)			
D9 cat w/ripper	1 wk	@\$4,105/wk.	\$ 4,100
40 ton Linkbelt HTC 1040	1 wk	@\$3,915/wk.	3,900
20 yd. <sup>3</sup> end dump truck	2 wks	@\$1,470/wk.	2,900
5 yd. <sup>3</sup> 9800 Cat loader	2 wks	@\$1,995/wk.	4,000
Tractor & 25 ton Lowboy	60 hrs	@\$55.55/hr.	3,300
Labor	840 hrs	@\$15/hr.	12,600
Total			<u>\$ 30,800</u>
B. Removal of Trash and Extraneous Debris (Haul to LaSal landfill)			
20 yd. <sup>3</sup> end dump truck	2 dys.	@\$370	\$ 700
3½ yd. <sup>3</sup> 966 Cat loader	2 dys.	@\$630	1300
Labor	48 hrs.	@\$15/hr.	700
Total			<u>\$ 2,706</u>
C. Foundation Elimination, Break-up and Burial			
D9 Cat w/ripper	½ wk.	@\$4,105/wk.	\$ 2,100
Compressor & jackhammer	16 hr.	@\$56/hr.	900
Labor	16 hr.	@\$15/hr.	200
Total			<u>\$ 3,200</u>
D. Restocking of unused fuels, oils, etc. (Contingency Cost)			<u>\$ 500</u>
E. Pond Area: contouring, excavating pond bottom and dumping down mine shaft - 6.6 acres			
5 yd. <sup>3</sup> 980D Cat loader	1 wk.	@\$1,995/wk.	\$ 2,000
20 yd. <sup>3</sup> end dump truck	1 wk.	@\$1,470/wk.	1,500
146 Cat grader	3/5 wk.	@\$2,815/wk.	1,700
D9 Cat w/ripper	2/5 wk.	@\$4,105/wk.	1,600
Labor	120 hrs.	@\$15.00	1,800
Total			<u>\$ 8,600</u>

F. Contouring Dumps, Surface Plant Area and Roads  
Waste Dumps, 11.2 acres @\$1,800

\$ 20,200

<u>Cost Per Acre</u>		
D 9 Cat	1/5 wk. @\$4,105/wk.	\$ 800
146 Cat Grader	1/5 wk. @\$2,815/wk.	600
Labor	24 hrs. @\$15/hr.	400
		<u>\$ 1,800/acre</u>

Plant Area and Roads 17.2 acres @\$85

1,500

<u>Cost Per Acre</u>		
146 Grader	1 hr. @\$2,815/wk. or \$70/hr.	\$ 70
Labor	1 hr. @\$15/hr.	15
		<u>\$ 85/acre</u>

Total Contouring & Grading

\$ 21,700

G. Topsoil Placement and Grading on Waste Dumps,  
11.2 acres @\$1,400

\$ 15,700

<u>Cost Per Acre</u>		
621B Cat Scraper	6 hr. @\$3,905/wk.	\$ 600
D9 Cat	2 hr. @\$4,105/wk.	200
146 Cat Grader	6 hr. @\$2,815/wk.	400
Labor	14 hr. @\$15/hr.	200
		<u>\$ 1,400</u>

H. Capping of Vertical Shafts, 6 each @\$1,200 ea.

\$ 7,200

<u>Cost Per Shaft</u>		
Delivered concrete		
Moab, Utah	4 yds.3 @\$65/yd.3	\$ 300
Form materials, etc		500
Labor	16 hrs. @\$15/hr.	200
146 Cat Grader	2 hrs. @\$3,905/wk.	200
		<u>\$ 1,200</u>

I. Stabilization, Reseeding of ponds, waste  
dumps, plant area, etc. i.e., all acres: 35 acres

\$ 2,200

<u>Cost Per Acre</u>		
62 Hp Massey Ferguson Tractor		
w/operator	3 hrs. @\$100/day	\$ 38
Rangeland drill,		
drag	3 hrs. @\$7/day	4
Seeds		20
		<u>\$ 62/acre</u>

J. Monitoring, sampling and necessary testing	<u>\$ 15,000</u>
Sub Total	<u>\$ 107,100</u>
K. Contingency, 10%	<u>\$ 10,700</u>
GRAND TOTAL	<u>\$ 117,800</u>

Conditions:

1. Hourly costs are based on weekly rates because equipment would be used on all phases of reclamation.
2. Dollar amounts are rounded to the nearest hundred.
3. All buildings, structures, etc remaining after cessation of mining activities will have no salvageable value and be demolished and buried on site.
4. It is felt that 35 acres of disturbance will be required and that the permit and bond be set for that amount.
5. New stabilization and reseeding costs are based on the conditions of the original permit application and do not reflect either fertilization or mulching. If the test plots or new information indicate a significant change in final re-seeding techniques, changes will be made at a later date.
6. Vertical shafts will be reclaimed by inserting a steel support framework and pouring an 18" to 24" concrete plug.
7. Monitoring costs are for vegetation and any augmentation that may be required.
8. Variances from past estimates are due to revised cost estimates, revised final reclamation procedures, and fewer disturbed acres.
9. The contingency amount in item K is being calculated at 10% as required, rather than the 15% rate as in previous estimates.

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